Post Doctoral Fellow in Computer Vision and Machine Learning

IMT Lucca in Italy is currently recruiting for a Post-Doctoral Fellow position in Computer Vision and Machine Learning.

Funding has been received from the EU to investigate the formulation of (active and semi-supervised) learning problems for object segmentation and detection, where variants of the object appear many times (often occluded and under affine transformations) in the scene. These problems are commonly encountered in cell characterization and phenotyping, plant phenotyping, and nano-particle characterization.

The Institute is looking for an enthusiastic and strongly motivated researcher to join PRIAn - Pattern Recognition and Image Analysis Unit (http://prian.imtlucca.it/) within IMT Lucca, and propose innovative approaches to the above problems. He/she will have the opportunity to collaborate and interact with our partners in Europe, USA, and Australia.

The candidate will join PRIAn, a rapidly growing and interdisciplinary group, that collaborates with a variety of laboratories across the world to investigate new approaches for image analysis (segmentation, detection, tracking) and the discovery of patterns in multidimensional datasets arising in imaging problems in natural and life sciences.

Candidates should have a PhD in computer vision, machine learning, signal processing, image analysis or related areas. A good record of international publications demonstrating prior experience is required. The candidate should have good programming skills, a strong mathematical background, and an interest in bridging the gap to the biological/natural sciences.

More information regarding the position, as well as the online application form, can be found here: http://www.imtlucca.it/faculty/positions/junior_faculty_recruitment_program.php#computer_vision_machine_learning

Informal inquiries regarding the position can be addressed to Prof. Sotirios Tsaftaris, s.tsafatris@imtlucca.it

The deadline for applications is February 14th 2014, 12:00 pm (midday).

IMT Lucca (http://www.imtlucca.it) is a research university within the Italian public higher education system. IMT strives to establish itself as a research center that promotes cutting-edge research in key areas, structuring its PhD Program in close connection to research, to attract top students, researchers and scholars through competitive international selections, and to contribute to technological innovation, economic growth and social development.
**Post Doctoral Fellow in Medical Image Analysis**

IMT Lucca in Italy is currently recruiting for a Post-Doctoral Fellow position in Medical Image Analysis.

Funding has been obtained from the National Institutes of Heath (USA) to investigate new non-invasive techniques of cardiovascular imaging with MRI together with partners from Cedars-Sinai Medical Center, University of California Los Angeles (California, USA), and Siemens. Particular interest is in unsupervised methods of analyzing such datasets to characterize cardiac disease, based on sparse space-time decompositions. Similar problems are encountered in functional MRI of the brain.

The Institute is looking for an enthusiastic and strongly motivated researcher to join the PRIAn - Pattern Recognition and Image Analysis Unit (http://prian.imtlucca.it/) within IMT Lucca and to propose innovative approaches to cardiovascular image analysis. He/she will have the opportunity to visit and collaborate with our partners.

The candidate will join a rapidly growing and interdisciplinary group that collaborates with a variety of laboratories across the world to investigate new approaches for image analysis (segmentation, detection, tracking) and the discovery of patterns in multidimensional datasets arising in imaging problems in natural and life sciences.

Candidates should have a PhD in computer vision, medical image analysis, machine learning, signal processing, or related areas. Prior experience in cardiac/brain registration and segmentation will be considered a plus. A good record of international publications demonstrating prior experience is required. The candidate should have good programming skills, a strong mathematical background, and an interest in bridging the gap to the medical/biological/natural sciences.

More information regarding the position, as well as the online application form, can be found here: http://www.imtlucca.it/faculty/positions/junior_faculty_recruitment_program.php#medical_image_analysis
Informal inquiries regarding the position can be addressed to Prof. Sotirios Tsaftaris, s.tsaftaris@imtlucca.it

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